

**POROUS COMPOSITE MEMBRANE AND METHOD FOR
MAKING THE SAME**

Abstract

5 The invention provides composite porous membranes comprising a porous hydrophobic substrate coated with difunctional surface-modifying molecules. The difunctional surface-modifying molecules provide a hydrophilic surface without forming branches of interconnected polymer molecules in the pores. The invention also provides a method for making composite porous membranes, such as a composite hydrophilic
10 membrane with reduced concentration of surface modifying molecules required to coat a hydrophobic substrate.

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